

# Notice of Allowability

Application No.

10/689,904

Examiner

Allen C. Ho

Applicant(s)

SHIOTA ET AL.

Art Unit

2882

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed on 21 October 2003.
2. ☒ The allowed claim(s) is/are 1-4.
3. ☒ The drawings filed on 22 December 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    ☐ Some\*    ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 102003
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David E. Spaw (Reg. No. 34,732) on 30 March 2005.

The application has been amended as follows:

- (1) Page 15, line 9, "φ" has been replaced by --φt--.
- (2) Page 15, line 13, "φ" has been replaced by --φt--.
- (3) Page 17, line 15, "Iz" has been replaced by --z--.
- (4) Claim 3, line 31, "x-rays are" has been replaced by --said x-ray camera is--.

### *Allowable Subject Matter*

2. Claims 1-4 are allowed.
3. The following is an examiner's statement of reasons for allowance:

With regard to claims 1 and 2, although the prior art discloses x-ray apparatuses comprising an x-ray camera, a sample table, a tilting mechanism for tilting the x-ray camera, a positioning moving mechanism for moving the sample table in x and y axes, a rotating mechanism for rotating the sample table, and a z-axis moving mechanism, it fails to teach or fairly suggest an x-ray apparatus further comprising a position correction moving mechanism and a tilting tracing mechanism as claimed.

With regard to claims 3 and 4, although the prior art discloses x-ray apparatuses comprising an x-ray camera, a sample table, a tilting mechanism for tilting the x-ray camera, a positioning moving mechanism for moving the sample table in x and y axes, a rotating mechanism for rotating the sample table, and a z-axis moving mechanism, it fails to teach or fairly suggest an x-ray apparatus further comprising a position correction moving mechanism and an in-changing-magnification-factor tracing mechanism as claimed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

- (1) Watanabe (U. S. Patent No. 6,325,537 B1) disclosed an x-ray diagnostic apparatus comprising a tiltable x-ray detector.
- (2) Watanabe (U. S. Patent No. 6,155,713) disclosed an x-ray diagnostic apparatus comprising a tiltable detector.
- (3) Hamada *et al.* (U. S. Patent No. 5,493,594) disclosed an x-ray fluoroscopic apparatus comprising a sample stage.
- (4) Bernstein *et al.* (U. S. Patent No. 4,024,403) disclosed an x-ray examination apparatus comprising a tiltable x-ray camera.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allen C. Ho whose telephone number is (571) 272-2491. The examiner can normally be reached on Monday - Friday from 8:00 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward J. Glick can be reached at (571) 272-2490. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*Allen C. Ho*

Allen C. Ho  
Primary Examiner  
Art Unit 2882

30 March 2005